

From: [Sam Coleman](#)
To: James.A.Watson@uscg.mil; [Steve Mason](#)
Cc: [Sam Coleman](#); [Ronnie Crossland](#)
Subject: Fw: Bioremediation on Oil Spills
Date: 05/14/2010 04:54 PM

This is the preliminary info. Perhaps someone from your staff can research to see if any of these ideas are suitable for use on this operation.

Steve Mason of my staff will be here through Sunday. His cell is 214.789.1871.

Samuel Coleman, PE
Superfund Div Region 6
214.665.6701 Ofc
214.789.2016 Cell

Sent by EPA Wireless E-Mail Services

▼ [Steve Mason](#)

----- Original Message -----

From: Steve Mason
Sent: 05/14/2010 04:39 PM CDT
To: Sam Coleman
Subject: Bioremediation on Oil Spills
Under the NCP, Subpart J:

For spill situations that are not addressed by the preauthorization plans developed pursuant to paragraph (a) of this section, the OSC, with the concurrence of the EPA representative to the RRT and, as appropriate, the concurrence of the RRT representatives from the states with jurisdiction over the navigable waters threatened by the release or discharge, and in consultation with the DOC and DOI natural resource trustees, when practicable, may authorize the use of dispersants, surface washing agents, surface collecting agents, **bioremediation agents**, or miscellaneous oil spill control agents on the oil discharge, provided that the products are listed on the NCP Product Schedule.

There are currently 15 products on the Product Schedule listed as bioremediation agents:

INIPOL EAP 22
WMI-2000
OPPENHEIMER FORMULA
MICRO-BLAZE
VB591, VB997
STEP ONE
SYSTEM E.T. 20
BET BIOPETRO
OIL SPILL EATER 2
PRISTINE SEA II
LAND AND SEA RESTORATION PRODUCT 001

S-200
SPILLREMED
JE1058BS
BioWorld Bioremediation Hydrocarbon Treatment Products

The OSC must approve the use of bioremediation agents on spills not threatening human life. The OSC must have the concurrence of the Region 6 RRT for any in-situ bioremediation use unless specifically delegated to a state/local agency.

That request for concurrence should include:

- Exact location of spill or release;
- Type of material spilled or released;
- Amount spilled or potentially spilled;
- Name of product to be used;
- MSDS on product;
- Rate and method of application;
- Nearest surface waters;
- Forecasted weather conditions; and
- Monitoring strategy.

There have been several oil spill incidents in which bioremediation products have been used in an attempt to enhance oil biodegradation. Several of the larger incidents include:

Amoco Cadiz, March, 1978, France
Apex Barge, July, 1990, Galveston, TX
Mega Borg, June, 1990, Texas Gulf Coast
Prall's Island, January, 1990, New Jersey Coast
Seal Beach, October, 1990, California Coast
Exxon Valdez, March 1989, Prince William Sound, Alaska

Faithfully yours
Steve

"Frequently, my thoughts get bored and walk down to my mouth. Often, this is a bad thing."

Steve Mason, EPA Region 6 (6SF-PE)
1445 Ross Avenue, Dallas, TX 75202
214-665-2276 / 214-665-2278 fax